

Kansas Department of Health and Environment Division of Environment Bureau of Air and Radiation

FLUID CATALYTIC CRACKING UNIT

1)	Source ID Number:		
2)	Company/Source Name:	 	
3)	Emission Unit Identification:	 	
4)	Normal Operating Schedule:	 hrs/yr	
5)	Fresh feed rate	 bbl/hr	
6)	Size of barrels	 gal/bbl	
7)	Feed material, composition:		
	COMPONENT	MOLE % or WEIGHT% (circle one)	_
8)	If applicable, feed recycle rate	 bbl/hr	
9)	Regeneration air rate	 scfm	
10)	Average reaction temperature	 °F	
11)	Type of catalyst	 	
12)	Catalyst recirculation rate	 lb/hr	

FLUID CATALYTIC CRACKING UNIT (cont.)

13)	Catalyst regenerator coke burn-off ratelb/hr				
14)	Number of internal cyclones				
15)	Carbon Monoxide Boiler Primary Fuel Type (be sure to include appropriate units - Btu per (ft ³ , gal, or lb) for				
	the heating value and (ft ³ , gal, or lb) per hr for consumption):				
	Natural Gas Oil Other (specify)				
	Heat Value:				
	%Sulfur: %Ash:				
	Maximum Design Heat Rate:Btu/hr				
	Operating rate: Btu/hr				
	Maximum Consumption Rate:/hr				
	Average Consumption Rate:/hr				
16)	Secondary Fuel Type (be sure to include appropriate units - Btu per (ft³, gal, or lb)) for the heating value and (ft³, gal, or lb) per hr for consumption): Natural Gas Oil Other (specify)				
	Heat Value: %Sulfur: %Ash:				
	Maximum Burning Rate:Btu/hr Operating rate:Btu/hr				
	Maximum Consumption:/hr Average Consumption:/hr				
17)	Method used to dispose of collected fines:				
18)	Emissions discharged to the atmosphere ft above grade through stack or duct ft in diameter at °F temperature, with ft ³ /min and ft/sec velocity.				
19)	For emission control equipment (i.e. cyclones, scrubbers, electrostatic precipitators, etc.), use the appropriate CONTROL EQUIPMENT form and duplicate as needed. Be sure to indicate the emission unit that the control equipment is affecting.				
20)	Did construction, modification, or reconstruction commence after June 11, 1973? Yes; No Did construction, modification, or reconstruction commence on or before January 17, 1984? Yes; No Is this a fluid catalytic cracking unit in which a contact material reacts with petroleum derivatives to improve				
	feedstock quality and in which the contact material is regenerated by burning off coke and/or other deposits?				
	Yes; No				
	If yes, this plant may be subject to NSPS, 40 CFR Part 60, Subpart J.				